

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-8. (Canceled).

9. (Currently Amended) A method of cleaning grains including:

passing the grains through initial cleaning;

wetting the cleaned grains in a first wetting process;

conditioning the wetted and cleaned grains;

adjusting a moisture of the conditioned grains by superficially

wetting the grains in a second wetting process;

directly followed by shelling the grains after the second wetting

process in a shelling machine such that outer hulls of the grains are removed:

grinding said shelled grains in a grinding machine; and

polishing the shelled grains in a polishing machine after grinding.

10. (Previously Presented) The method of claim 9, wherein the grains are wheat grains.

11. (Canceled).

12. (Canceled).

13. (Previously Presented) The method of claim 9 wherein grinding the grains occurs in a mill and the grains avoid contacting any horizontal conveying element in the mill.

14. (Previously Presented) The method of claim 9 further including forming residue as the grains are shelled.

15. (Previously Presented) The method of claim 14 further including pressing the residue into pellets.

16. (Previously Presented) The method of claim 15 further including using the pellets as fuel.

17. (Previously Presented) The method of claim 9 further including sifting the grains after the second wetting process.

18. (Previously Presented) The method of claim 17 further including forming residue as the grains are sifted.

19. (Previously Presented) The method of claim 18 further including pressing the residue into pellets.

20. (Previously Presented) The method of claim 19 further including using the pellets as fuel.

21. (Previously Presented) The method of claim 9 further including exposing the grains to a stream of air during shelling.

22. (Previously Presented) The method of claim 9 wherein the second wetting process includes a light wetting process relative to the first wetting process.

23. (Previously Presented) The method of claim 9 further including placing a wetting aggregate downstream of a weighing and metering machine in a direction of flow of the grains.

24. (Previously Presented) The method of claim 9 wherein the shelling is carried out in a shelling machine positioned downstream of a weighing and metering machine in a direction of flow of the grains.

25. (Previously Presented) The method of claim 24 wherein the shelling machine includes:

a rotatable rotor having processing tools;
a stator having processing tools; and
at least one sifting basket that envelopes the rotor and forms a processing zone,
and wherein sifting of the shelled grains is provided by the sifting basket.

26. (Previously Presented) The method of claim 25 wherein the rotor further includes a roll; and wherein the roll includes slits uniformly spaced apart on the circumference of the roll and extending over the entire length of the processing zone, and wherein the slits allow air to enter the processing zone during shelling.

27. (Previously Presented) The method of claim 9 wherein the moisture of the conditioned grains is adjusted to about 2%.

28. (Canceled).